

EXPRESS MAIL LABEL NO. EL814454697US

ABSTRACT OF THE INVENTION

METHOD AND SYSTEM FOR MAINTAINING A DESIRED DISTANCE
BETWEEN A DISPENSOR AND A SURFACE

5

A system and method for maintaining a dispensing system a desired distance between a dispenser and a surface is shown. The system includes a light-emitting device, connected to the dispenser, that emits light in the direction of the surface. The emitted light is reflected off of the surface as well as a mirror connected to the dispenser. Subsequently, all reflected
10 light is received by a sensor. Using the sensor data, a computer calculates the distance between the dispenser and the surface. A servo device then adjusts the location of the dispenser, in accordance with the calculated distance, in order to maintain the desired distance between the dispenser and the surface. One advantage of the system and method is the increased ability to maintain a desired distance between the dispenser and the surface.
15 This can lead to increased and higher quality production by a dispensing system.

160-A01-012

YOR920010469US1

25

IBM Confidential